

AGAREV, O.L., inzh.; KAVTORINA, V.A., inzh.

Improving the static function of a hydroelectric-power station
on a nonrock foundation.. Gidr. stroia 31 no.7:44-46 J1 '61.
(MIRA 14:7)

(Hydroelectric power stations)

KAVTOROV, V.M., inzhener.

Application of high-speed cutting in hydraulic machinery plants.
Trudy VIGM no.13:178-186 '51. (MLRA 10:8)

1. Glavnyy tekhnolog Glavnogo upravleniya khimicheskogo mashino-
stroyeniya.

(Metal cutting)

KAVTOROV, V.M., inzhener.

Study carefully and disseminate widely the experience of efficiency
promoters and inventors. Izobr. v SSSR. 1 no.2:22-23 Ag '56.

(MIRA 10:3)

(Inventions)

KAVTOROV, V.M., inzhener.

~~Invented at the K. Marx' Leningrad Plant. Izobr. v SSSR 1 no.6:24~~
D '56. (MLRA 10:4)

(Leningrad--Instruments)

KAYTOROV, V.M., inzhener.

High-duty cutter heads, Izobr. v SSSR 2 no.1:22 Ja '57. (MIRA 10:4)
(Cutting tools)

KAVTOROVA, N.Ye.

New method of registering and evaluating the contracting capacity of the mimetic and chewing musculature. Stomatologiya 41 no.5:73-77 S-O '62. (MIRA 16:4)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - dotsent P.V.Naumov) i kafedry fizicheskogo vospitaniya i vrachebnoy fizkul'tury (zav. P.P.Smirnov) Kalininskogo meditsinskogo instituta.

(MASTICATION) (MUSCLES)
(PHYSIOLOGICAL APPARATUS) (FACE)

KAVTREVA, A.I., kand.med.nauk

Tuberculosis of the stomach. Khirurgiia 35 no.12:98-99 D '59.
(MIRA 13:6)

1. Iz kafedry fakul'tetskoy khirurgii (sav. - prof. V.F. Kolo-
sovskaya) Sverdlovskogo meditsinskogo instituta.
(STOMACH GASTROINTESTINAL case reports)

KAVTREVA, A.I., kand.med.nauk

Problem of the effect of iodine prophylaxis on the incidence of recurrence of endemic goiter in various districts of Sverdlovsk Province. Khirurgiia 37 no.5:82-84 My '61. (MIRA 14:5)

1. Iz kafedry fakul'tetskoy khirurgii (zav. V.F. Kolosovskaya) Sverdlovskogo meditsinskogo instituta.
(IODINE) (SVERDLOVSK PROVINCE--GOITER)

BARKAN, A.S.; KAVTSEVICH, L.P.

Effect of the additional component on the solubility in demixing solvents. Part 1: Effect of benzene on the solubility of potassium chloride in mixtures of n.butyl alcohol with water. Izv.-vys.ucheb.zav.;khim.i khim.tekh. 5 no.2:236-242 '62.

(MIRA 15:8)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina, kafedra obshchey i neorganicheskoy khimii.

(Benzene) (Potassium chloride) (Solubility)

✓
KAVTSEVICH, V.P., inzh.; SAL'NIKOV, V.R., inzh.

System of mining steeply pitching seams with the use of stoping
machinery with remote control. Trudy VNIIGidrouglia no.2:13-18 '63.
(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy
institut dobychi yglya gidravlicheskim sposobom.

NOVASH, V.I., kand.tekhn.nauk, dotsent; KAVTSEVICH, Ya.N., inzh.;
KAKHANOVICH, V.S., inzh.; KRAS'KO, A.S., inzh.; CHERVINSKIY,
L.L., inzh.

Conditions for the establishment of synchronous operation in
sections of an electric power system in the presence of non-
synchronous automatic reclosing. Izv. vys. ucheb. zav.; energ.
5 no.2:5-11 F '62. (MIRA 15:3)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy
elektricheskikh stantsiy.
(Electric power distribution)

NOVASH, V.I., kand.tekhn.nauk, dotsent; KAVTSEVICH, Ye.N., inzh.;
RECHIN, Sh.Sh.

Study of the nonsynchronous modes of operation of an electric power system with nonsynchronous automatic reclosing of electric power transmission lines. Izv. vys. ucheb. zav.; energ. 6 no.10: 8-15 0 '63. (MIRA 16:12)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy elektricheskikh stantsiy.

KAVTYAN, O.K.

OVCHINNIKOVA, Ye.N.; KAVTYAN, O.K.

Oxidation of the sulfurous anhydride on activated carbon by the
liquid-contact method. Zhur.fiz.khim. 30 no.8:1735-1738 Ag '56.
(MLRA 10:1)

1. Gosudarstvennyy universitet, Odessa.
(Sulfur dioxide) (Oxidation)

S/167/60/000/004/003/XX
A006/A001

AUTHOR: Kavulov, V. K.

TITLE: A Graphical-Analytical Method of Investigating the Stress-Strain of Beams Beyond Elasticity Limits During Plain Bending 26

PERIODICAL: ⁷⁰ Izvestiya Akademii Nauk UzSSR, Seriya tekhnicheskikh nauk, 1960, No. 4, pp. 46-52

TEXT: The investigation of elastic-plastic transverse oscillations of beams is connected with the preliminary determination of the dependence between the bending moments M and the curvature of elastic line y'' : $M = M(y'')$. A grapho-analytical method is proposed of plotting a (M, y'') graph which may be used for calculating metallic and reinforced concrete beams by taking into account plastic deformation. Stress-strain of metal beams within and beyond the elasticity limits during plain bending is determined as follows: First some assumptions are made as to the work of individual threads, as e. g., the hypothesis of plane sections confirmed by V. Turkin's experiments (Ref. 1), and it is assumed that the threads undergo plain extension or compression and that the deformation of threads does not depend on their position in the section width. ✓

Card 1/3

S/167/60/000/004/003/003/XX
A006/A001

A Graphical-Analytical Method of Investigating the Stress-Strain of Beams
Beyond Elasticity Limits During Plain Bending

These assumptions are sufficient to reveal the distribution of strains (graph of ϵ) and normal stresses (graph of σ) across the section of the beam if (the strain of the extremal compressed thread) and x_0 (the distance of the extremal compressed thread from the neutral axis) are known (Fig. 1). A graphical method is described of plotting graphs of ϵ and σ when ϵ_0 and x_0 are known and a graphical method is presented for calculating the equations (1.4) and (1.6).

$$\int_{\Omega} x \sigma d\Omega + \int_{\omega} x \sigma d\omega = M \quad (1.4)$$

where Ω , ω are the areas of the stretched and compressed cross sectional zones and M is the bending moment in the given section

$$\phi(x_0 y'') = M \quad (1.6)$$

where y is the deflection of the beam. The author shows how to plot graphs of ϵ and σ when the location of the neutral axis is known and ϵ_0 is given; how to plot the dependences between x_0 and ϵ_0 for metallic beams and how to plot

Card 2/3

KAVUN, N. D.; GURICH, N. A.; SINOGEYKIN, S. A.

Gums and Resins

Work methods of stakhanovite oleoresin melter. Der. i lesokhim. prom. 1 No. 9, 1952

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721220003-4

KAVU M. 19-1

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721220003-4"

KAVUN, P.I.

Do well-coordinated steady work. Mast. ugl. 5 no.8:
4-5 Ag '56.

(MLRA 9:11)

1. Mashinist glavnogo pul'ta upravleniya transportno-
otval'nogo mosta Yurkovskogo razreza kombinata Ukrburugol'.
(Coal mines and mining)

KAVUN, P.K.

KOZLOVSKIY, A.I., doktor sel'skokhozyaystvennykh nauk; KOVALEN, V.N.,
kandidat sel'skokhozyaystvennykh nauk; NEMLIYENKO, V.K., nauchnyy
sotrudnik; KAVUN, P.K., redaktor; PAVLOVA, M.M., tekhnicheskiy
redaktor; BALLOD, A.I., tekhnicheskiy redaktor

[Corn in 1955] Kukurusa v 1955 godu. Moskva, Gos. izd-vo sel'khoz.
lit-ry. no.5. [Siberian regions] Raiony Sibiri. 1956. 198 p.
(Siberia--Corn (Maize)) (MIRA 10:2)

ALEKSASHIN, V.I.; TEREKHINA, A.I., redaktor; KAVUN, P.K., redaktor;
PEVZNER, V.I., tekhnicheskii redaktor; ~~PAVLOVA, R.M.~~, tekhnicheskii
redaktor

[Corn in 1955] Kukuza v 1955 godu. Moskva, Gos. izd-vo selkhoz.
lit-ry. No.4. [Districts of the Urals, North Kazakhstan, Siberia
and the Far East] Raiony Urals, Severnogo Kazakhstana, Sibiri i
Dal'nego Vostoka. 1956. 179 p. (MLRA 9:8)

1. Glavnyy agronom Upravleniya planirovaniya nauchnykh issledovaniy
po sel'skomy khozyaystvy Ministerstva sel'skogo khozyaystva SSSR.
(for Aleksashin)
(Corn (Maize))

KAVUN, P.K.

RIKHTER, G.D., doktor geograficheskikh nauk, otvetstvennyy redaktor;
D'YACHENKO, A.Ye., dandidat sel'skokhozyaystvennykh nauk, otvet-
stvennyy redaktor; KAVUN, P.K., redaktor izdatel'stva; SOMOROV,
B.A., tekhnicheskyy redaktor

[Erosion in agriculture and its control] Sel'skokhoziaistvennaya
eroziya i bor'ba s nei. Moskva, 1956. 373 p. (MIRA 10:2)

1. Akademiya nauk SSSR. Institut geografii.
(Erosion)

TSEDIK-TOMASHEVICH, Z.F., kandidat biologicheskikh nauk; SKVORTSOV, S.N.;
KAVUN, P.K., redaktor; PEVZNER, V.I., tekhnicheskiiy redaktor

[Corn in 1955] Kukuza v 1955 godu. Moskva, Gos. izd-vo selkhoz.
lit-ry. No.3. [Southern districts of the U.S.S.R.] Raiony iuga
SSSR. 1956. 380 p. (MIRA 9:9)

1. Nachal'nik otdela rastenevodstva Glavnogo upravleniya sel'sko-
khozyaystvennoy nauki Ministerstva sel'skogo khozyaystva SSSR
(for TSedik-Tomashevich) 2. Glavnyy agronom otdela rasteniyevod-
stva (for Skvortsov)
(Russia, Southern--Corn (Maize))

KAVUN, P.K.

NAZARENKO, K.S., redaktor; KRYLOV, G.A., redaktor; KONYAYEV, H.I., redaktor;
TOMASHEVICH, Z.F., redaktor; BLINKOVA, M.V., redaktor; TRISVYATSKIY,
L. A., redaktor; MARAKHTANOV, K.P., redaktor; KAVUN, P.K., redaktor;
BARANOV, M.F., redaktor; SMELYANSKIY, V.A., redaktor; VIDONYAK, A.P.,
tekhnicheskiiy redaktor; KUCHABSKIY, Yu.K., tekhnicheskiiy redaktor

[All-Union Conference on the Production of Hybrid Seed Corn, held in
Dnepropetrovsk March 28-30, 1956] Vsesoiuznoe soveshchanie po proizvod-
stvu gibridnykh semian kukuruzy v Dnepropetrovske, 28-30 marta 1956
goda. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 480 p. (MIRA 10:1)

1. Vsesoyuznoye soveshchaniye po proizvodstvu gibridnykh semyan
kukuruzy. Dnepropetrovsk, 1956.
(Corn (Maize))

~~KAYUN, R.K.~~ agronom; ~~BARANOV, M.F.~~, redaktor; ~~SOLOLOVA, E.N.~~, tekhnicheskii
redaktor

[Winter wheat; a collection of articles] Ozimaya pshenitsa; sbornik
statei. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1957. 575 p.
(Biblioteka po polevodstvu i lugovodstvu, no.7) (MLRA 10:9)
(Wheat)

KAVUN, P.K.

[Winter wheat; a collection of articles] Ozimaia pshenitsa;
sbornik statei. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958.
(Wheat) (MIRA 12:3)

IVANOVA, Yelena Mikhaylovna; KAVUN, P.K., red.; POMICHEV, P.M., tekhn.red.

[Agricultural literature] Sel'skokhoziaistvennaya literatura.
Moskva, Izd-vo TSentrsoiunza, 1958. 78 p. (Tovarovedenie knizhnykh
tovarov, no.3) (MIRA 12:4)
(Bibliography--Agriculture)

KAVUN, P.K., otv. za vypusk; FEDOTOVA, A.F., tekhn.red.

[Corn in the German Democratic Republic; proceedings of the
Central Conference on Corn in Bernburg, March 7-8, 1958]
Kukuruzs v Germanskoi Demokraticheskoi Respublike; materialy
TSentral'noi konferentsii po kukuruze v Bernburge 7-8 marta
1958 goda. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 277 p.
[Translated from the German] (MIRA 12:5)
(Germany, East--Corn (Maize))

SHEVCHENKO, Andrey Stepanovich, agronom; KAVUN, P.K., red.; PROKOF'YEVA,
L.N., tekhn.red.

[On virgin lands of Siberia and Kazakhstan] Na tselinnykh
zemliakh Sibiri i Kazakhstana. Moskva, Gos.izd-vo sel'khoz.lit-ry.
1960. 46 p. (Siberia--Agriculture)
(Kazakhstan--Agriculture) (MIRA 14:2)

DROGALIN, Petr Vasil'yevich; KAVUN, P.K., red.; DEYEVA, V.M., tekhn.red.

[Planting corn prior to spring and winter crops] Kukuruzs kak
predshestvennik osinykh i iarovykh kul'tur. Moskva, Gos.izd-vo
sel'khoz.lit-ry, 1960. 58 p. (MIRA 14:2)
(Corn (Maize))

NASYROV, Khamrakul, Geroy Sotsialisticheskogo Truda, deputat Verkhovnogo Soveta SSSR; KAVUN, P.K., red.; GUREVICH, M.M., tekhn.red.

[Cotton is our wealth; experience of the "Moskva" Collective Farm in Dzhizak District, Samarkand Province, Uzbekistan]
Khlopok - nashe bogatstvo; iz opyta raboty kolkhosa "Moskva" Dzhizakskogo raiona Samarkandskoi oblasti Uzbekskoi SSR. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 63 p.

(MIRA 14:2)

1. Predsedatel' kolkhosa "Moskva" (for Nasyrov).
(Dzhizak District--Cotton growing)

BLINKOVA, M.V., kand.sel'skokhoz.nauk; KAYUN, P.K., red.; GUREVICH, M.M.,
tekhn.red.

[Corn; a collection of articles on plant breeding, cultivation
practices, and mechanization] Kukuruza; sbornik statei po
selektzii, agrotekhnike, mekhanizatsii. Sost. M.V.Blinkova.
Moskva, Gos.isd-vo sel'khoz.lit-ry, 1960. 396 p. (MIRA 13:5)
(Corn (Maize))

SHEVCHENKO, A.S.; KAVUN, P.K., red.; RUBTSOV, M.K., red.; PROKOF'YEVA, L.N.,
tekhn. red.

[Corn; make way for extensive exchange of experience] Kukuruz; dlia
obmena opytom dveri shiroko otkryty. Izd.2., dop. Moskva, Izd-vo
sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 413 p. (MIRA 14:10)
(Corn (Maize))

VINOGRADOV, V.I., kand. sel'khoz. nauk, otv. red.; NEMCHINOV, V.S.,
akademik, red.; ZUBKOV, A.I., kand. ekon. nauk, red.;
LETUNOV, P.A., doktor sel'khoz. nauk, red.; KAVUN, P.K.,
red. izd-va; KASHINA, P.S., tekhn. red.; ASTAF'YEVA, G.A.,
tekhn. red.

[Natural regionalisation of the central part of Krasnoyarsk
Territory and some problems of farming near cities] Prirodnoe
raionirovanie tsentral'noi chasti Krasnoiarskogo kraia i ne-
kotorye voprosy prigorodnogo khoziaistva. Moskva, Izd-vo
Akad. nauk SSSR, 1962. 214 p. (MIRA 15:11)

1. Krasnoyarskaya kompleksnaia ekspeditsiya.
(Krasnoyarsk Territory--Physical geography)
(Krasnoyarsk Territory--Agriculture)

SHLYKOV, Grigoriy Nikolayevich; KAVUN, P.K., red.; GUREVICH, M.M.,
tekhn. red.; BALLOD, A.I., tekhn. red.

[Introduction and acclimatization of plants; introduction to
the cultivation and reclamation in new regions] Introduktsiia
i akklimatizatsiia rastenii; vvedenie v kul'turu i osvoenie
v novykh raionakh. Moskva, Sel'khozizdat, 1963. 487 p.

(MIRA 16:9)

(Plant introduction)

ACC NR: AR6026775 (A)

SOURCE CODE: UR/0081/66/000/003/5094/5095

AUTHOR: Tarasova, Z. N.; Sanatorskaya, L. G.; Fedorova, T. V.; Eyttingen, I. I.;
Kavun, S. M.; Degadkin, B. A.

TITLE: Effect of the structure of vulcanizing network and rubber compositions on the
effectiveness of antifatigue agents

SOURCE: Ref. zh. Khimiya, Part II, Abs. 85673

REF SOURCE: Sb. Sintez i issled. effektivn. stabilizatorov dlya polimern. materialov.
Voronezh, 1964, 138-144

TOPIC TAGS: chemical stabilizer, thermomechanical property, synthetic rubber

ABSTRACT: p-Phenylenediamines, thioamines, biphenols, thiophenols, phosphites and
thiophosphites were studied as inhibitors (IN) of thermomechanical and thermal-oxida-
tive degradation. The purity of the polymer has a strong influence on the stabilizing
effect of IN. Additional introduction of IN into cured rubbers from raw rubbers
treated with stabilizers causes a marked increase in stability only when they form a
mutually reinforcing system with the stabilizers of the raw rubber. The composition
and nature of the vulcanizing network substantially affect the stability of the cured
rubbers and the manifestation of the action of IN. According to chemical relaxation
data, the relative effectiveness of the action of IN increases with rising content of
the accelerators in the mixtures. Increasing the stability of sulfur-free cured rub-

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L 4571C-66

ACC NR: AR6026775

bers by using IN is difficult, and can be accomplished only by using certain categories of stabilizers. The introduction of carbon blacks into polyisoprene mixtures causes the thermomechanical and thermal-oxidative stability to decrease, and in the case of polybutadiene mixtures does not decrease the stability of the vulcanizates. M. Otopkova. [Translation of abstract]

SUB CODE: 11

Card 2/2 ULR

KHODZHAYEVA, I.V.; KAVUN, S.M.

Improvement of radiochromatographic separation of mixtures of
sulfur and sulfur-containing compounds. Koll. zhur. 27 no.1:
135-137 Ja-F '65. (MIRA 18:3)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
Lomonosova.

L 3379-66 EWT(m)/EPF(c)/EWP(j) RM

ACCESSION NR: AP5022090

UR/0138/65/000/008/0009/0012 50

678.044:536.45.096 47

AUTHOR: Eytingon, I. I.; Krasukhina, M. M.; Kavun, S. M.; Strel'nikova, N. P.; Butyugin, V. K. 8

TITLE: Thermal conversion of an N-cyclohexylbenzothiazole-2-sulfenamide vulcanization accelerator 5

SOURCE: Kauchuk i rezina, no. 8, 1965, 9-12

TOPIC TAGS: rubber chemical, organic substituted amide, organic sulfur compound, EPR spectrum, thermochemistry, free radical, vulcanization, reaction mechanism, heat resistance

ABSTRACT: The effect of rubber mixing and vulcanization temperatures on the conversion of sulfenamide Ts [Abstractor's note: Compound corresponds to "Santocure. 17"] and the effect of additives on the thermal stability of this vulcanization accelerator were studied. Heating of the sulfenamide samples at 105-110C for 2 and 6 hours did not produce significant change in the melting of the material except to lower its melting temperature slightly. Thermal decomposition of the sulfenamide at 140 -145 C is preceded by an induction period whose length depends

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L 3379-66

ACCESSION NR: AP5022090

on the impurities present. Decomposition is accompanied by spontaneous temperature increase and evolution of hydrogen sulfide and amine. 2-Mercaptobenzothiazole, its cyclohexylamine salt, and 2,2'-dibenzothiazyl disulfide were separated and identified among the resinous decomposition products. The effects of adding these three compounds or sulfur to mixes containing the sulfenamide were studied. Sulfur had the greatest effect on the thermal stability of the accelerator at 140-145 C, and the addition of 1% sulfur on weight of the sulfenamide reduced the induction period from 150 to 10 minutes. Examination of EPR spectra established that the thermal decomposition of this sulfenamide is a radical chain process. The presence of benzothiazolesulfide radicals was indicated. Orig. art. has: 3 figures and 4 equations

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Scientific Research Institute for the Tire Industry)

SUBMITTED: 00

ENCL: 00

SUB CODE:

NR REF SOV: 001

OTHER: 002

Cord 2/2 *md*

L 63797-65 EWT(m)/EPF(c)/ENP(j)
ACCESSION NR: AP5018793

RM
UR/0138/65/000/007/0006/0010
678.063:541.68

AUTHOR: Tarasova, Z. N.; Senatorskaya, L. G.; Fedorova, T. V.; Eytinton, I. L.;
Kirpichnikov, P. A.; Kavun, S. P.; Dogadkin, B. A.

TITLE: Effect of the structure of the vulcanizing network on the fatigue of rubber and study of methods of their stabilization

SOURCE: Kauchuk i rezina, no. 7, 1965, 5-10

TOPIC TAGS: stabilizer, antifatigue agent, antioxidant, vulcanizate fatigue, thermooxidation, zinc organic compound, synthetic rubber

ABSTRACT: The article reports on a study of the effect of zinc diisopropyl dithiophosphate, zinc diisopropyl dithiocarbamate and their combinations with derivatives of phenols and paraphenylenediamines on the stabilization of vulcanizates prepared from NK, SKI-3, SKD, and SKS-30 ARKM rubbers in the course of thermal and thermooxidative treatment in static tension and under repeated deformation. It was found that compounds containing branched alkyl groups in the molecule, particularly the diisopropyl group, have the greatest stabilizing effect against the thermomechanical and thermooxidative processes associated with the fatigue of vulcanizates. Zinc diisopropyl dithiophosphate is a weak vulcani-

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L 63797-65

ACCESSION NR: AP5018793

3

zation accelerator and produces vulcanizates with a lesser sulfide character of the cross links. It does not affect the induction period of the oxidation of rubber and vulcanizates by molecular oxygen, but speeds up the decomposition of cumene hydroperoxide in rubber solutions as a result of the oxidation of sulfur to the corresponding sulfoxides. In contrast to the antifatigue agents and antioxidants commonly used, which do not stabilize the processes of thermal degradation, zinc diisopropyl dithiophosphate has an inhibiting influence on the thermomechanical breakdown of the vulcanizing network. The use of oxidation inhibitors in conjunction with substances stabilizing the thermal cleavage of bonds is an effective means of combating the fatigue of rubbers containing polysulfide bonds at high temperatures. Orig. art. has: 5 figures and 4 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Scientific Research Institute of the Tire Industry)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 007

OTHER: 004

Card 2/2

SAPOZHNIKOV, D.G.; KAVUN, V.I.; KALININ, V.V.; ROZHKO, M.N.

Characteristics of the distribution of iron and manganese in the
Karadzhal deposit. Geol.rud.mestorozh. no.4:19-36 JI-Ag '61.
(MIRA 14:10)

1. Institut geologii rudnykh mestorozhdenii, petrografii,
mineralologii i geokhimii AN SSSR, Moskva.
(Atasu region—Iron ores)
(Atasu region—Manganese ores)

BOLDYREV, G.P.; VOGMAN, D.A.; NOVOKHATSKIY, I.P.; VERK, D.L.; DYUGAYEV, I.V.; KAVUN, V.M.; KURENKO, A.A.; UZBEKOV, M.R.; ARSEN'YEV, S.Ya.; YEGORKIN, A.N.; KORSAKOV, P.F.; KUZ'MIN, V.N.; STRELETS, B.A.; PATKOVSKIY, A.B.; BOLESLAVSKAYA, B.M.; INDENBOM, D.B.; FINKEL'SHTEYN, A.S.; SHAPIRO, I.S.; LAPIN, L.Yu.. Prinimali uchastiye: NEVSKAYA, G.I.; FEDOSEYEV, V.A.; KASPILOVSKIY, Ya.B.; ZERNOVA, K.V.. BARDIN, I.P., akademik, otv.red.; SATPAYEV, K.I., akademik, nauchnyy red.; STRUMILIN, akademik, nauchnyy red.; ANTIPOV, M.I., nauchnyy red.; BELYANCHIKOV, K.P., nauchnyy red.; YEROFEYEV, B.N., nauchnyy red.; KALGANOV, M.I., nauchnyy red.; SAMARIN, A.M., nauchnyy red.; SLEDZYUK, P.Ye., nauchnyy red.; KHEBNIKOV, V.B., nauchnyy red.; STREYS, N.A., nauchnyy red.; BANKVITSER, A.L., red.izd-va; POLYAKOVA, T.V.. tekhn.red.

[Iron ore deposits in central Kazakhstan and ways for their utilization] Zhelezorudnye mestorozhdenia TSentral'nogo Kazakhstana i puti ikh ispol'zovaniia. Otvetstvennyi red. I.P.Bardin. Moskva, 1960. 556 p. (MIRA 13:4)

1. Akademiya nauk SSSR. Mezhdudedomstvennaya postoyannaya komissiya po zhelezu. 2. Gosudarstvennyy institut po proyektirovaniyu gornykh predpriyatiy zhelezorudnoy i margantsevoy promyshlennosti i promyshlennosti nemetallicheskih iskopayemykh (Giproruda) (for Boldyrev, Vogman, Arsen'yev, Yegorkin, Korsakov, Kuz'min, Strelets, (Continued on next card)

BOLDYREV, G.P.--(continued). Card 2.

3. Institut geologicheskikh nauk AN Kazakhskoy SSR (for Novokhatakiy).
 4. Tsentral'no-Kazakhstanskoye geologicheskoye upravleniye Ministerstva geologii i okhrany nedr SSSR (for Verk, Dyugayev, Kavun, Kurenko, Uzbekov).
 5. Nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (Mikhanobr) (for Patkovskiy).
 6. Gosudarstvennyy institut proyektirovaniya metallurg.zavodov (Gipromet) (for Boleslavskaya, Indenbom, Finkel'shteyn, Nevskaya, Fedoseyev, Karpilovskiy).
 7. Mezhdunarodstvennaya postoyannaya komissiya po zhelezu AN SSSR (for Shapiro, Zernova, Kalganov).
 8. Gosplan SSSR (for Lapin).
- (Kazakhstan--Iron ores)

KAVUN, Vasiliy Mikhaylovich; KHOMENKO, B.V., red.

[Twenty-six centners of buckwheat per hectare] 26 tsent-
neriv hrechky z hektara. Vinnytsia, Vinnyts'ke oblasne
knyzhkovo-gazete vyd-vo, 1961. 21 p. (MIRA 15:7)

1. Predsedatel' kolkhoza im. Stalina Bershadskogo rayona
(for Kavun).

(Ukraine---Buckwheat)

KAVUN, Vasilii Mikhaylovich; BLAZHEVSKIY, Vasilii Karpovich, kand. sel'-
khov. nauk; ANTONOVA, M.M., red.; PROKOF'YEVA, L.N., tekhn. red.

[Our experience in growing buckwheat] Nash opyt vyrashchivaniia gre-
chikh. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961.
31 p. (MIRA 14:11)

1. Predsedatel' kolkhoza imeni Stalina Bershadskogo rayona (for
Kavun).

(Buckwheat)

KAVUN, Vasilii Mikhaylovich; ZAPIVAKHIN, A.I., red.; GUREVICH, M.M., tekhn.
red.

[Bibber payments for better work] Bol'shaia oplata za luchshii
trud. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalvo i plakatov, 1961.
46 p. (MIRA 14:9)

1. Predsedatel' kolkhoza im. Stalina Bershadskogo rayona Vinnitskoy
oblasti (for Kavun).
(Collective farms—Income distribution)

KAVUN, Vasilii Mikhaylovich; REBRIK, Ya.P.[Rebryk, I.A.P.], red.;
GULENKO, O.I.[Hulenko, O.I.], tekhn. red.

[Grow peas; it pays] Vyreshchuite horokh - tse vyhidno. Kyiv,
Derzh. vyd-vo sil's'kokhospodars'koi lit-ry URSR, 1961. 57 p.
(MIRA 15:3)

1. Predsedatel' kolkhosa imeni XXII s"ezda Kommunisticheskoy
Partiy Sovetskogo Soyuza Bershadskogo rayona, Vinnitskoy oblasti
(for Kavun).

(Peas)

KAVUN, Vasilii Mikhaylovich. Prinimal uchastiye BUTCHENKO, F.P.
CHERNOV, M.P., red.; NEMCHENKO, I.Yu., tekhn.red.

[Great stride of the seven-year plan of a collective farm]
Shyrokyi krok semyrichky kolhospu. Kyiv, Derzh.vyd-vo
sil's'kohospodars'koi lit-ry, 1961. 100 p.

(MIRA 15:2)

1. Predsedatelya kolkhcza imeni Stalina, Bershadskogo rayona,
Vinnitskoy oblasti (for Kavun).
(Ukraine--Collective farms)

KAVUN, Vasilii Mikhaylovich, Geroy Sotsialisticheskogo Truda;
BURMISTROV, G.N., red.; PERSON, M.N., tekhn. red.; TOKER,
A.M., tekhn. red.

[Cultivation practices in the growing and harvesting of peas]
Agrotekhnika vozdeleyvaniya i uborka gorokha. Moskva, Proftekh-
izdat, 1962. 49 p. (MIRA 16:5)

1. Predsedatel' kolkhoza im. XXII s"yezda Kommunisticheskoy
partii Sovetskogo Soyuza Bershadskogo rayona Vinnitskoy obla-
sti (for Kavun).

(Peas)

KAVUN, V.M., agronom, Geroy Sotsialisticheskogo Truda

That the soil may yield generously. Nauka i zhyttia 11
no.3:41-42 Mr '62. (MIRA 15:8)

1. Predsedatel' kolkhoza imeni XXII s"yezda Kommunisticheskoy
partii Sovetskogo Soyuzu Bershadskogo rayona Vinnitskoy oblasti.
(Field crops)

KAVUN, V. M., Geroy Sotsialisticheskogo Truda; ZADNEPRYANETS, G. V.

Peas as grain and feed. Zemledelie 24 no.12:39-41 D '62.
(MIRA 16:1)

1. Predsedatel' kolchoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuz, Bershadskogo rayona, Vinnitskoy oblasti (for Kavun). 2. Glavnyy agronom kolchoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuz, Bershadskogo rayona, Vinnitskoy oblasti (for Zadnepryanets).

(Peas)

DOROSH, Ivan Iosifovich; PITUL'KO, Vitaliy Yemel'novich [Pytul'ko, V.O.]; SEREDENKO, Boris Nikolayevich [Seredenko, B.M.]; KAVUN, V.M., Geroy Sotsialisticheskogo Truda, red.; TOGOBITSKAYA, N.V. [Tohobits'ka, N.V.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Use of machinery on a collective farm] Vykorystannia tekhniky v kolhospi. Kyiv, Derzh.vyd-vo Sil's'kohospodars'koi lit-ry URSR, 1963. 139 p. (MIRA 17:3)

KAVUN, Vasilii Mikhaylovich. Prinimali uchastiye: BABSKIY, I.I.;
BOROVSKIY, V.A.; VITKOVSKIY, M.P.; ZIMOVETS, V.N.;
SEREDENKO, B.N.; PITUL'KO, V.Ye.; CHEPURNOV, I.A.;
BLAZHEVSKIY, V.K.; YAROPUD, V.N.; RYBAK, V.N.; KUZIK, G.I.;
ZADNEPRYANETS, G.V.; IVANOV, A.N., red.; BELOVA, N.N.,
tekhn. red.

[Efficient farm management] Ratsional'noe vedenie khoziaistva.
Moskva, Sel'khozizdat, 1963. 205 p. (MIRA 16:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut ekonomiki i organizatsii sel'skogo khozyaystva (for Babskiy, Borovskiy, Vitkovskiy, Zimovets, Seredenko, Pitul'ko, Chepurinov).
 2. Vinitskaya gosudarstvennaya sel'skokhozyaystvennaya opyt-naya stantsiya (for Blazhevskiy, Yaropud).
 3. Ukrainskiy nauchno-issledovatel'skiy institut zemledeliya (for Rybak).
 4. Sekretar' partiynoy organizatsii kolkhoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza (for Kuzik).
 5. Glavnyy agronom kolkhoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza (for Zadnepryanets).
- (Collective farms—Management)

KAVUN, Vasilii Mikhaylovich; SAVITSKIY, Konstantin Amosovich;
LUK YANYUK, V.I., nauchn. red.; SHALYT, N.A., red.

[Cultivation practices for principal farm crops] Agrotekh-
nika vazhneishikh sel'skokhoziaistvennykh kul'tur. Moskva,
Vysshaia shkola, 1964. 234 p. (MIRA 17:9)

ALEKPEROV, V.P., inzh.; ATOVMIAN, I.O., inzh.; ZUYEV, V.I., inzh.; KAVUN, Ye.S., kand.tekhn.nauk; KOGAN, B.Ya., kand.tekhn.nauk; KOPAY-GORA, P.N., kand.tekhn.nauk; KULAKOV, A.A., inzh.; LEBEDEV, A.N., kand.tekhn.nauk; PAPERNOV, A.A., doktor tekhn.nauk; PEL'POR, D.S., doktor tekhn.nauk; PLOTNIKOV, V.N., kand.tekhn.nauk; RUZSKIY, Yu.Ye., kand.tekhn.nauk; SOLODOVNIKOV, V.V., doktor tekhn.nauk; TOPCHYEYEV, Yu.I., kand.tekhn.nauk; ULANOV, G.M., kand.tekhn.nauk; SHRAMKO, L.S., kand.tekhn.nauk; DOBROGURSKIY, S.O., doktor tekhn.nauk, retsenzent; KAZAKOV, V.A., kand.tekhn.nauk, retsenzent; PETROV, V.V., kand.tekhn.nauk, retsenzent; KHAVKIN, G.A., inzh., retsenzent; SOLODOVNIKOV, V.V., prof., doktor tekhn.nauk, red.; VITENBERG, I.M., kand.tekhn.nauk, nauchnyy red.; MOLDAVER, A.I., kand.tekhn.nauk, nauchnyy red.; KHETAGUROV, Ya.A., kand.tekhn.nauk, nauchnyy red.; POLYAKOV, G.F., red.izd-va; KONOVALOV, G.M., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Fundamentals of automatic control] Osnovy avtomaticheskogo regulirovaniya. Vol.2. [Elements of automatic control systems] Elementy sistem avtomaticheskogo regulirovaniya. Pt 2. [Compensating elements and computer components] Korrektiruyushchie elementy i elementy vychislitel'nykh mashin. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry. 1959. 453 p. (MIRA 12:4)
(Automatic control) (Electronic apparatus and appliances)
(Electronic calculating machines)

Moscow. Vysshaya tekhnicheskaya uchilishche. Kafedra "Automatika i telemekhanika".
Literaturny avtomaticheskoy regulirovaniya i upravleniya i napravleniya; Nekotoryye voprosy teorii i
metodov (Automatic Regulating and Control Systems; Some Problems in Theory
and Methods of Automatic Regulation and Control). (Series: Its study, journal
no. 97) Moscow, Mashizh, 1959. 166 p. (Series: Its study, journal
no. 97) 7,000 copies printed.

Ed.: V. L. Titov, Candidate of Technical Sciences; Tech. Ed.: Z. I. Chernova; Managing Ed. for Literature on Machine Building and Instrument-Making (Mashgiz): N. V. Pokrovskiy, Engineer.

PURPOSE: The book is intended for teachers in schools of higher education, and for engineers and technicians engaged in problems of automation.

COMMENT: This collection contains articles on the theory and technique of automatic regulation and control. The problems discussed concern calculation of the parameters of low-power servomechanisms, correction of a-o systems and systems of automatic regulation with a delay link, and the construction of self-adjusting a-o systems. Several methods of improving the dynamic properties of servomechanisms, and methods of approximate investigation of pulse error mechanisms, are also explained. Some considerations regarding possible ways of automating belt winding in a random direction are presented. The authors of this collection are all instructors in the department of automatic control at the American College of Beirut. The collection is the result of a seminar based on scientific articles submitted by the department during the last five years. Some presentations are mentioned in each article. References are given after each article.

recommended the use of a two-channel control system for the drive (along the control and excitation windings).

Summary. Yearly Candidates of Technical Sciences. Correcting Devices of A-C
Interceptors

The author investigates electromechanical correcting devices which
in practical operation are insensitive to changes in carrier frequency,
do not require additional demodulators and modulators, and provide
the necessary stabilizing effect.

Appendix

Author. *Ye. G. Kandida*, Candidate of Technical Sciences. Design and Construction of an Electromechanical Correcting Device

Keywords: Power Amplifiers
This article presents a further development of the methods of calculating parameters of magnetic amplifiers containing an external feedback and a bias circuit which makes it possible to vary the gain of the amplifier. The other practical articles given as references. The author is a candidate of engineering sciences, senior engineer in the Scientific Center for the Design of High-Power Tubes, Ministry of Defense, USSR.

Appendix

Spital, Yu.M., Candidate of Technical Sciences, National Selection of the USSR Academy of Sciences, USSR Ministry of Communications.

The author demonstrates that matching of bridge parameters with the resistance of the data unit of a Wheatstone measuring bridge system results in a relative and not an absolute power maximum in the measuring device. By this he also shows that it is possible to obtain a maximum in the power of the bridge system for arbitrary values of the parameters of the bridge system. The author states that his findings apply to any electric circuit.

to my electric circuit.

Pyralis, Th.M., Candidate of Technical Sciences. Contact Division of Automotive Systems

According to its author, the object of this article is the systematized presentation of all information available for the selection of the collection of the National Library of the USSR for its operating conditions. The author is the editor of this collection, this particular article may be of use to students of schools of higher education. There are 9 subjects of specifications.

Hydrography

[illegible]

KAVUN, Ye.S., kand.tekhn.nauk

Calculation and design of an electromechanical corrective device.
[Trudy] MVTU no.97:68-84 '59. (MIRA 13:5)
(Servomechanisms)

KAVUN, Ye.S.; DMITRIYEV, A.N.; KON'KOV, V.G.; SEMENOV, V.V.; YAKOVLEV,
A.V.

Digital tracking systems using ferrite and transistor cells.
Avtom. upr. i vych. tekhn. no.5:231-294 '62. (MIRA 15:9)
(Automatic control) (Electronic calculating machines)

MADE IN U.S.S.R.

7
 / Catalytic transformation of alcohols into hydrocarbons of
 divinyl series. XIX. 1,3-Hexadiene in products of trans-
 formation of mixtures of ethyl and butyl alcohols. Yu. A. CH
 Gorn, N. G. Belen'kaya, V. S. Ivanov, and A. P. Kavin-
 tskii (State Univ., Leningrad). Zhur. Obshch. Khim. 25,
 1955, 1955, cf. C.A. 41, 2680p, 50, 165d - Passage of
 1:1 and 1:2 mixts. of EtOH and BuOH at 380° over the
 Lebedev catalyst (C₂H₄ 28, 3-5%) gave 2,4-hexadiene and
 1,3-hexadiene in a 5:1 ratio. The latter was identified
 phys. constants, its tetrabromide, and by hydrogenation. The
 conjugation was proved by formation of polymeric adducts
 with SO₂ and formation of adducts with maleic anhydride
 and naphthoquinone. The presence of 1,3-isomer is shown
 by the formation of C₆H₁₀ hydrocarbons among the prod-
 ucts of the butadiene process described by Lebedev.

А 116 202-110/11,8
YERUSALIMSKIY, B.L.; DOLGOPOLOK, B.A.; KAVUNENKO, A.P.

Reactions of free radicals in solutions. Part 9: Dimethyldiphenyl-
tetrazene and tetramethyltetrazene as a source of free radicals
with a nitrogen-atom reaction center. Zhur. ob. khim. 27 no.1:267-
270 Ja. 1957. (MIRA 10:6)

1. Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR.
(Tetrazene)

KAVUNENKO, A.P.

PLATE I BOX INTRODUCTION 807/985

International symposium on macromolecular chemistry. Moscow, 1960.
Mashinostroyeniye eliposim po makromolekulyarnuyu khimiyu, 1960, Moscow, 14-18 Iyunya
1960 41 doklady i referaty. Sest'siya II. (International Symposium on
Macromolecular Chemistry Held in Moscow, June 14-18) Papers and Summaries)
Section II. [Moscow, Izd-vo AN SSSR, 1960] 559 p. 5,500 copies printed.
Sponsoring Agency: The International Union of Pure and Applied Chemistry, Com-
mission on Macromolecular Chemistry

Tech. Ed.: T.A. Prusabova.

PREFACE: This book is intended for chemists interested in polymerization re-
actions and the synthesis of high-molecular compounds.

CONTENTS: This is Section II of a multivolume work containing papers on macro-
molecular chemistry. The papers in this volume treat mainly the kinetics of
various polymerization reactions initiated by different catalysts or induced
by radiation. Among the research techniques discussed are electron paramagnetic
resonance spectroscopy and light-scattering interpolation. There are summa-
ries in English, French and Russian. No personalities are mentioned. Refer-
ences follow each article.

Kinell, R., and J. Horvath (Hungary). On the Mechanism of the
Formation Reaction of Stereoregular Polymers 302

Simon, A., and G. Olynes (Hungary). On the Kinetics of a Reaction on
Ziegler Catalysts 310

Vichitria, O., M. Mark, and I. Zelozal (Czechoslovakia). Kinetics of
the Polymerization of Isobutylene on a Heterogeneous Catalyst 322

Radik, V. (Czechoslovakia). Heterogeneous Catalysts for the Polymerization
of Alpha Olefins 330

Vesely, E., L. Ashard, R. Vills, and O. Hnizik (Czechoslovakia). The
Effect of Polymer Type Impurities on the Polymerization of Propylene.
Catalyzed by the System Triphenylmethyl-trichloroaluminum 337

Polopolski, R.A. (USSR). Study of the Factors Leading to the Degradation
of Chain Structure During the Ionic Polymerization of Dienes 346

Yermolinskii, B.L., Veng Po-sung, and A.P. Kuznetsov (USSR). Study of the
Interaction of Organometallic Compounds With Salts of Heavy Metals and the
Use of Organometallic Compounds and Their Complexes to Stimulate
Polymerization 355

Saito, T., and K. Oai (Hungary). The Effect of Organic Inner Complexes
of Heavy Metals of Variable Valence on the Kinetics of the Polymerization of
Vinyl Compounds 366

Bresler, S.Ye., M.I. Moerfistich, I. Ye. Polubny, and Shih Kung-i
(USSR). Study of the Details of the Mechanism of Polymerization Under
the Action of Complex Catalysts 372

Tsvetkov, I.M., G.N. Matyuk, R.F. Korotova, and M.G. Oumera (USSR).
Stereospecificity and the Optical Properties of Polymers 378

Birshvyn, T.M., Yu. Ye. Gellid, and O.B. Piliyeva (USSR). The
Microviscosity of Polymers and Methods of Study 388

Abkin, A.D., A.P. Shermak, M.K. Yakovleva, and L.P. Mikhaylova (USSR).
Carbonium and Carbanion Polymerization Mechanisms Under the Effects
of Gamma Radiation 390

Gardik, Y.A., and V.A. Lebedev (USSR). Polymerization Processes in
Insoluble Molecular Dispersions 405

Pyshchak, L., I. Molikh, and I. Pex (Czechoslovakia). Kinetics of the
Polymerization of Formaldehyde 412

Vesely, E. (Czechoslovakia). On the Mechanism of Ionic Polymerization 423

Zilchal, Z., and A. Fada (Czechoslovakia). On the Role of Nonpolar
Compounds in the Cationic Polymerization of Isobutylene 430

438 45

S/062/60/000/009/014/021
B023/B064

AUTHORS: Yerusalimskiy, B. L., ~~Kayunenko, A. P.~~, and Dolgoplosk, B.A.

TITLE: Reactions of the Free Radicals in Solutions. Communication
17. Effect of the Viscosity of the Medium on the Primary
Recombination of Free Radicals

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh
nauk, 1960, No. 9, pp. 1672-1674

TEXT: The authors investigated in how far the methane- and methyl aniline yields depend on the molecular weight and concentration of the polymer in the case of thermal splitting of methyl-phenyl triazene in the cumene - polystyrene system. As is shown by a previous paper of the authors (Ref.2), in solutions with 60% polystyrene (molecular weight 5000 to 200,000), the reaction leads to a reduction of the methane yield as compared to the data obtained from the use of a pure solvent. The methyl aniline yield remains, however, the same as that obtained in the absence of the polymer. Only in the solution of polystyrene with a molecular weight of 600,000, and a polymer concentration of 60%, the methyl aniline yield increases, while the

Card 1/3

Reactions of the Free Radicals in Solutions.
Communication 17. Effect of the Viscosity of
the Medium on the Primary Recombination of
Free Radicals

S/062/60/000/009/014/021
B023/B064

methane yield decreases considerably (Table 1). Consequently, the change of yields in methane solutions, containing polystyrene with a molecular weight of up to 200,000, cannot be considered as a result of the increase in viscosity of the medium. This would have certainly led to a higher yield of the product of methyl aniline primary recombination. The reduction of the yield is more likely to be due to the difference between the relative activity of polystyrene and that of cumene than to hydrogen donors. This is in agreement with published data, according to which the H atoms in polystyrene are less mobile than in cumene (Ref. 3). The authors proved that also in systems containing considerably lower polystyrene concentrations, the methane yield is reduced. The amount of the yield depends, as is shown in Table 2, on the concentration only. The molecular weight of the polymer has no effect upon the amount of the yield. In systems with a high viscosity, the importance of the primary recombination of free radicals increases. This becomes obvious by the fact that the methyl aniline yield increases, while the methane yield decreases at the same time. There are 2 tables and 5 references:

Card 2/3

S/190/62/004/009/005/014
B101/B144

AUTHORS: Dolgoplosk, B. A., Yerusalimskiy, B. L., Kavunenko, A. P.,
Merkur'yeva, A. V.

TITLE: Polymerization of diene hydrocarbons under the action of
organomagnesium compounds

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 9, 1962, 1333-1337

TEXT: The polymerization of butadiene (I), 2,3-dimethyl butadiene (II), and chloroprene (III) by the system $(C_4H_9)_2Mg - C_4H_9MgI$ was studied under the same conditions as that of isoprene described previously (Vysokomolek. soyed., 2, 541, 1960). Results: (1) A solution of 25 - 30 mole% I in hexane yielded ~10% polymer with 77 - 75% 1,4 bonds at 100°C. Under the same conditions, II yielded ~40% polymer with 97% 1,4 bonds. The polymerization proceeds more slowly than that of isoprene. The polymers are completely soluble in benzene and have lost ~6-8% of their double bonds. It is assumed, therefore, that an intramolecular cyclization occurs. (2) The polymerization of III in hexane at 40 - 60°C yielded up to 20% polymer. The polymers had limited solubility in benzene, and their glass transition
Card 1/2

✓

Polymerization of diene...

S/190/62/004/009/005/014
B101/B144

point was -46 to -49°C . (3) The consumption of organomagnesium initiators during the polymerization of isoprene was studied. The content in C_4H_{10} liberated by H_2SO_4 was determined chromatographically. The continuous decrease in initiator concentration and the continuous increase in molecular weight during the reaction suggest a consecutive organometal synthesis. Monomer addition to the C-Mg bond is comparatively slow. There are 1 figure and 4 tables.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds AS USSR)

SUBMITTED: May 20, 1961

✓

Card 2/2

DOLGOPLOSK, B.A.; YERUSALIMSKIY, B.L.; KAVUNENKO, A.P.; MERKUR'YEVA, A.V.

Polymerization of diene hydrocarbons under the influence of
organomagnesium compounds. Vysokom.socd. 4 no.9:1333-1337
S '62. (MIRA 15:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Butadiene) (Polymerization)
(Magnesium organic compounds)

KAVUNENKO, I.A.

Lymphatic vessels of the caecum and vermiform appendix in man.
Dop. AN URSR no.4:537-540 '64. (MIRA 17:5)

1. Kiyevskiy meditsinskiy institut. Predstavleno akademikom AN
UkrSSR V.G.Kas'yanenko [Kas'ianenko, V.H.].

FRUSS, V., inzh.; KAVUNENKO, Ye., inzh.

Analyzing the labor expenditures of ship crews. Rech. transp.
24 no.6:29-30 '65. (MIRA 18:8)

KAVUMENKO, Ye.A., inzhener.

~~XXXXXXXXXXXXXXXXXXXX~~
The problem of introducing automatic control and protection on
internal-combustion marine engines. Trudy TSNIIRF no.23:29-40
'53. (MLRA 8:3)
(Marine engines)(Automatic control)

KAVUNENKO, Ye.A., inzh.

Selecting the parameters of a servomechanism with an electric machine amplifier for the remote control of marine internal combustion engines. Trudy LIVT no.10:32-44 '61. (MIRA 14:9)
(Marine engines) (Remote control)

KAVUNETS, Dmitriy Nesterovich; LEBEDEV, N.N., kand. tekhn. nauk, dots.;
VASIL'YEVA, V.I., red.izd-va; SUNGUROV, V.S., tekhn. red.

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